

CONTRACT MODIFICATION FORM

**STATE OF HAWAII
DEPARTMENT OF HEALTH**

Date March 20, 2012

ADM. SERV. OFFICE LOG NO. 11-047

MODIFICATION ORDER NO. 2

Contractor/Provider University of Hawaii

Contract Title Lahaina Tracer Study

A. MODIFICATIONS

The following modifications are to be performed in accordance with all contract stipulations (specifications, delivery point, rate of delivery, period of performance, price, quantity, or other provisions by mutual action of the parties to the contract).

See attachments for contract modifications.

B. CONTRACTOR/PROVIDER's QUOTATION

The modifications described in A, above, will be performed at a contract price ☒ increase ☐ decrease of \$ 30,556.00. The Contractor/Provider will not undertake to perform the changes in A, above, until this modification order has been approved and issued.

Contractor/Provider's Signature

C. STATEMENT OF CONTRACT FUNDS

Original Contract Price	\$ <u>140,000.00</u>
Previous Adjusted Contract Price	\$ <u>171,246.02</u>
Amount of this Change: Plus <input checked="" type="checkbox"/> Minus <input type="checkbox"/>	\$ <u>30,556.00</u>
New Adjusted Contract Price	\$ <u><u>201,802.02</u></u>

D. VALIDATION OF CONTRACT MODIFICATION

Director of Health

Date

CONTRACT MODIFICATIONS:

Effective April 1, 2012, the parties mutually agree that the CONTRACTOR shall continue to provide the required services with the following modifications:

1. Attachment - S1, Scope of Services.

Project Task 5 is added to read, as follows:

"Task 5. Collection of Coastal Seep Tracer Samples.

The fluorescein Tracer dye injected for this project continues to be discharged at the submarine seeps near the Lahaina Wastewater Treatment Facility. The Sulpho-Rhodamine-B dye has not yet been detected. The CONTRACTOR shall continue to collect and analyze samples until June 30, 2012. This sampling will occur at least two times per week. Also at least two rounds of grab samples will be collected in an attempt to establish the areal extent of the dye discharge. This will consist of a minimum of 20 grab samples per round. The dye concentration in these samples will be corrected to groundwater concentrations using a salinity correction factor. A final report summarizing the results of the sampling will be submitted as an addendum to the Final Lahaina Tracer Groundwater Study Report within 60 days of the termination of sampling."

2. Attachment - S2, Compensation and Payment Schedule.

- a. The total compensation amount of the Contract is increased by \$30,556.00 of federal funds.
- b. The "Budget," attached to the Contract as Exhibit "A," and modified as Exhibit "C" are hereby deleted and replaced with a revised "Budget," attached hereto as Exhibit "D" and made a part hereof.

c. Source of Funds:

S 11 201 H 0000 000237 09 377 (GW-106)	\$ 140,000.00
S 12 201 H 0000 000601 10 450 (CWB MI funds)	\$ 31,246.02
S 12 201 H 0000 000237 12 377 (GW-106)	\$ 30,556.00

3. All other terms and conditions of the Contract shall remain the same.

**LAHAINA TRACER STUDY - PHASE II
BUDGET
May 17, 2011 to June 30, 2012**

	Original Budget	Revision-Task 4	Revision-Task 5	TOTAL
PERSONNEL				
Senior Personnel	\$16,931.00		\$ 4,838.00	\$21,769.00
Researcher/Post-Doc.	\$22,651.00	\$20,000.00	\$11,151.00	\$53,802.00
Graduate Student(s)	\$ 2,617.00		\$ 2,093.00	\$ 4,710.00
Undergraduate Student(s)	\$8,000.00			\$ 8,000.00
TOTAL SALARIES & WAGES	\$50,199.00	\$20,000.00	\$18,082.00	\$88,281.00
FRINGE BENEFITS	\$ 6,247.00	\$ 7,654.00	\$ 6,481.00	\$20,382.00
TOTAL SALARIES, WAGES & FRINGE	\$56,446.00	\$27,654.00	\$24,563.00	\$108,663.00
OPERATING EXPENDITURES				
Travel	\$ 6,860.00		\$ 500.00	\$ 7,360.00
Materials & Supplies	\$11,000.00		\$ 880.00	\$ 11,880.00
Computer Services	\$ 2,000.00			\$ 2,000.00
Laboratory Supplies	\$ 3,700.00			\$ 3,700.00
Laboratory Analyses	\$ 4,500.00			\$ 4,500.00
Tracer Sampling Costs	\$25,400.00			\$ 25,400.00
Boat Rental/Stationary Ocean Platform	\$ 2,000.00			\$ 2,000.00
Sample Shipping			\$ 560.00	\$ 560.00
Others: Report drafting support	\$ 1,000.00			\$ 1,000.00
TOTAL OPERATING EXPENDITURES	\$56,460.00		\$ 1,940.00	\$58,400.00
EQUIPMENT				
Water Quality Analyzer	\$19,700.00			\$19,700.00
TOTAL DIRECT COSTS	\$132,606.00	\$27,654.00	\$26,503.00	\$186,763.00
INDIRECT COST (13.1% + 16.5% of salary and fringe; federal pass-through – Env. Health Adm.)	\$ 7,394.00	\$ 3,592.02	\$ 4,053.00	\$ 15,039.02
TOTAL DIRECT + INDIRECT COSTS	\$140,000.00	\$ 31,246.02	30,556.00	201,802.02

Source of Funds:

S 11 201 H 0000 000237 09 377 (GW-106)
S 12 201 H 0000 000601 10 450 (CWB MI funds)
S 12 201 H 0000 000237 12 377 (GW-106)

Time of Performance

May 17, 2011 - September 31, 2011
October 1, 2011 - June 30, 2012
October 1, 2011 - June 30, 2012

Funds

\$ 140,000.00
\$ 31,246.02
\$ 30,556.00

ADM. SERV. OFFICE

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Exhibit "D"

